

## ABSTRACT

The present invention is a method of making a polyurethane composite. The method includes forming a non-polar material into a predetermined shape and preparing its bonding through plasma treatment. Once the bonding surface has been prepared, the 5 non-polar material is positioned in a mold and liquid precursors of polyurethane are poured into a cavity of the mold such that the liquid precursor of polyurethane is in contact with the bonding surface of the non-polar material. The liquid precursor of polyurethane is then cured to form a polyurethane material that is effectively joined to the bonding surface of the non-polar material to form the polyurethane composite material.

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